Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
146	Providing and fixing granite benches, with three line dressing, ornamental design with two groves and three bull nose finishing the sides faces of the seating slab of 75mm thickness, resting on two vertical slabs similar, ornamental dressed with peepul leaf shaped groove cutting on outer surface of the legs fixed in concrete bed including cost of all materials, transportation, labour, curing complete as per drawing and directions of Engineer-in-charge CE approved Rate	no	0.00	8014.00	Rupees eight thousand fourteen only
147	Providing and fixing circular 8 guage wire net dust bin of diameter 0.60 m with a height of 1.2 m, along with the circular bottom net of 0.6 m dia, including MS flats of 1.2m length and 1 inch width for vertical joint welding, MS flat 1.9m length and 1 inch width for top and bottom edges and MS flat of 2m length and 3/4 inches width for edges of net shutter with latch arrangement having two hinges with a wirenet of size 1 inch x 1 inch fixed in concrete bed, including 2 coats of approved paint over one coat of primer including cost of all materials, transportation, labour, curing complete as per drawing and directions of Engineer-in-charge CE approved Rate	no	0.00	2173.00	Rupees two thousand one hundred and seventy three only
148	Providing and fixing 20 guage M.S. sheet circular dust bin with bottom perforated sheet 450mm dia and 600mm depth, with stands hollow pipes 32mm dia of depth 1.5 m, top cover MS sheet 900x600 mm above the dust bin, horizontal braces 10mm dia bar and revolving system and locking arrangements etc, fixing in concrete bed including 2 coats of approved paint over one coat of primer, including cost of all materials, transportation, labour, curing complete as per drawing and directions of Engineer-in-charge CE approved Rate	no	0.00	2915.00	Rupees two thousand nine hundred and fifteen only
149	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P W D BCSR 2014-15, P-12 I-4.2)	cum	0.00	5269.00	Rupees five thousand two hundred and sixty nine only
150	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 (P W D BCSR 2014-15, P-16, I-4.32)	sqm	0.00	380.00	Rupees three hundred and eighty only
151	KSRB 6-2.3 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 (P W D BCSR 2014-15, P-27, I-6.6)	cum	0.00	6563.00	Rupees six thousand five hundred and sixty three only

Contractor

Executive Engineer-2
Lakes, BBMP

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
152	KSRB 15.3.4:Providing 15mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P W D BCSR. 2014-15, P-109, I-15.9)	Sqm	0.00	182.00	Rupees one hundred and eighty two only
153	KSRB 14.7-1: Providing and laying flooring with M15 cement concrete 40 mm thick using broken granite 20mm and down size laid to line and level in one layer and finish with a floating coat of neat cement , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS 14.3 (P W D BCSR. 2014-15, P-98, I-14.8)	sqm	0.00	335.00	Rupees three hundred and thirty five only
154	KSRB 15.12.1Providing Gopi colour washing to new wall surface in two coats with lime and gopi colour of approved quality, to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter including cost of materials, labour, complete as per specifications. (P W D BCSR. 2014-15, P-112, I-15.44)	sqm	0.00	10.00	Rupees ten only
155	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (P W D BCSR. 2014-15, P-32, I-7.9)	kgs	0.00	104.00	Rupees one hundred and four only
156	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification (P W D BCSR. 2014-15, P-40, I-7.29)	kgs	0.00	152.00	Rupees one hundred and fifty two only
157	KSRB 8.3-2 : Providing and laying to required line and slope roofing with semi-corrugated (Trafford) asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, bolts and nuts 8mm. dia C.I plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications. (P W D BCSR. 2014-15, P-46, I-8.6)	sqm	0.00	428.00	Rupees four hundred and twenty eight only

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Executive Engineer-2
Lakes, BBMP

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
158	KSRB 8.3-4 : Providing and fixing ridges, hips with asbestos cement sheet roofing with G.I. J or L hooks, bolts and nuts 8mm. dia G.I.plain and bitumen washers, serrated or plain wings, adjustable ridges, including cost of materials, labour, complete as per specifications. (P W D BCSR. 2014-15, P-46, I-8.8)	mtr	0.00	296.00	Rupees two hundred and ninety six only
159	Shedder Machine made of Mild steel with electrical motor of 5HP three phase,30 No Flat plates cutters, weight of 400kg,handle all type of dry leaves cut upto 10-20mm length crushing rate depending on the type of material including all service tax and installation excluding Electrification.	unit	0.00	182055.00	Rupees one lakh eighty two thousand fifty five only
160	Chopper Machine made of Mild steel with electrical motor of 5HPthree phase,20No cutting Knives weight of 400kg,handle all type of organic waste like wet,dry vegetables and Biomass,cut upto 50-150cm length crushing rate,depending on the type of material including all service tax and installation excluding Electrification.	unit	0.00	206329.00	Rupees two lakhs six thousand three hundred and twenty nine only
161	Fabrication, Supplying, Erection,Testing and Commissioning of 16 mtrs long polygon hihg mast with Single / Multiple of bottom dia 410mm and top dia 150mm with two telescopic sections having bottom piece 6.50mtrs with 3mm thick and top piece 6.50mtrs 3mm thick as per BSEN 10025 grade S 355 JO steel sheet plate for shaft suitable to withstand a wind velocity of 180kmph as per IS 875 part 3 (as per GA Drawing). Base plate having size 520mm dia, 16mm thick with 6nos. of foundation bolts M24 X 850mm long and connected accessories as per IS ISO 1461 with an average 70 microns as per IS 2629, and welded as per BS 5135 single L - seam joint. The mast, shall have two way head frame with 4nos of 190mm die cast LM -6 pulleys, steel axils, phosphorus bronze bearing bush press fitted with seperate guides for 2 runs of 5mm dia stainless steel wire rope and 5 core 2.5Sqmm EPR insulated PCP sheathed trialling power cable all are housed inside the bottoms of mast with suitable locking 250 x 950mm hinged door. The mast shall have power tool having 0.5HP, 415 V, 50Hz, 3-Phases reversible 960RPM geared motor mast. The mast shall have land turn of 2 segments,	Each	0.00	169600.00	Rupees one lakh sixty nine thousand six hundred only

Executive Engineer-2
Lakes, BBMP

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
162	Supplying High pressure 400 Watts Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non-corrosive high pressure die cast aluminium housing powder coated with toughened and heat resistant glass with low copper content black/grey powder coated paint finish with EPDM gasket. Reflector shall be made of high purity pre-anodized aluminium. Cable entry through a cable gland with toggle clips. IP 65 protection for both and optical and electrical compartment. Bottom cover may be with polycarbonate / tempered / toughened glass. Luminaire efficiency should be >60% and ambient temperature >35 deg C. High intensity discharge Electro magnetic ballast with copper winding of Octocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety and IEC 60923-performance. Winding temperature for HID ballast tw = 130 deg C and temperature rise ?T - 70 deg C. Luminaire shall be suitable to operate on 230/250 Volts 50Hz AC supply finish including wiring, ignitor,condensor. SS toggles for opening front hingeable glass, prewir ed to terminal	Each	0.00	10930.00	Rupees ten thousand nine hundred and thirty only
163	KSRB 4-4.1 : Extra for use of water proofing compound in Cement concrete of mix M25,at one kg of compound per bag of cement. Specification No. KBS (P W D BCSR. 2014-15, P-14, I-4.24)	Cum	0.00	287.00	Rupees two hundred and eighty seven only
164	KSRB 15.3.3Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(P W D BCSR. 2014-15, P-109, I-15.11)	Sqm	0.00	149.00	Rupees one hundred and forty nine only
165	KSRB15-4.1 Extra for providing and mixing waterproofing compound in cement plaster work at one kg per bag or in the proportion recommended by the manufacturers, for cement mortar 1:3, 12mm thick cost of materials complete as per specifications. (P W D BCSR. 2014-15,P-110, I-15.23)	Sqm	0.00	10.00	Rupees ten only
166	KSRB 12-6.3 : Providing cast iron footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6 (P W D BCSR. 2014-15 P-70, I-11.46)	nos	0.00	245.00	Rupees two hundred and forty five only
167	Manhole cover PWD BCSR 2012-13 P-XXXVIII, 18" x 24" 38kg	nos	0.00	2136.00	Rupees two thousand one hundred and thirty six only
168	KSRB13-3.4: Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 32mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.6 (P W D BCSR. 2014-15 P-87, I-13.13)	mtr	0.00	336.00	Rupees three hundred and thirty six only

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Executive Engineer
Lakes, BBMP

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Item Code	Description	Unit	Approx Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
169	KSRB13-4.1 : Making connection of G.I distribution branch with G.I main of 25 to 40mm. nominal bore, including cutting and threading the pipes, providing and fixing Tee, nuts, labour for all item of works, testing and HOM of equipments complete as per specifications. Specification No.KBS 13.10 (P W D BCSR. 2014-15,P-88, I-13.20)	nos	0.00	373.00	Rupees three hundred and seventy three only
170	Providing NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete. (P W D BCSR. 2014-15, P-92, I-13.81.1)	Each	0.00	140.00	Rupees one hundred and forty only
171	Supply and delivery at site brand new MONOBLOCK type-MB series single phase motor suguna / innoval / Lubi / Sabar / Atlanta / Calamal / make suitable for sump tankg to suitable HP suitable speed for operation of 3HP/2.2KW AC supply fitted with required accessories such as suction, Non-Return valve etc., complete. (P W D BCSR 2014-15, P-XXXXV I-1,)	unit	0.00	22366.00	Rupees twenty two thousand three hundred and sixty six only
172	Supply push button operated direct online starter with an antiweld silver cadmium oxide contactor with replaceable fixed and moving contacts and bimetallic thermal overload relay help in anticorrosion treated sheet steel or iron clad enclosure and fixing the same to suitable capacity wires for 400/440 volts 3 phase motor/single phase motor upto 5 HP. (P W D ESR 2014-15, P-44, I-6.1,)	Each	0.00	1513.00	Rupees one thousand five hundred and thirteen only
173	Supplying and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs srews 20" X 20" X 2.5" (P W D ESR 2014-15, P-44 I-6.6.6)	each	0.00	323.00	Rupees three hundred and twenty three only
174	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 100Amps (P W D ESR 2014-15, P-45 I-6.7.1)	each	0.00	127.00	Rupees one hundred and twenty seven only
175	KSRB 5.4-3:Providing and constructing granite / trap / basalt SSM in superstructure with CM 1:4, edges of stones are chistle dressed in courses not less than 15 cms high, bond stones at 2 m apart in each course including cost of all materials, labour,curing complete as per Specifications No. KBS 5.1.13. (P W D BCSR 2014-15 P-23, I-5.12)	cum	0.00	4950.00	Rupees four thousand nine hundred and fifty only
176	KSRB 5-6 : Extra for constructing stone masonry in square or rectangular pillars complete as per specifications. (P W D BCSR 2014-15 P-24, I-5.15)	cum	0.00	290.00	Rupees two hundred and ninety only
177	KSRB 5-8.3 : Providing three line dressing to granite stone slab as per specifications (P W D BCSR 2014-15 P-24, I-5.19)	sqm	0.00	1200.00	Rupees one thousand two hundred only
178	KSRB 5-9 : Providing chamfering edges to granite stone slab 2.5cms. Wide as per specifications (only chamfered length shall be recorded) (P W D BCSR 2014-15 P- 24, I-5.22)	mtr	0.00	34.00	Rupees thirty four only

Contractor

Executive Engineer-2

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
179	Fabricating, providing and erecting in poiston of Hot dip galvanised M.S.Ornamental security Grill Gate using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows in the middle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drillling holes. the work includes providng two coats of enamel painting over one coat of red lead ready mix primer coat etc complete cost of all labour, painting, erection charges using hoist pulleycranes etc as per specification and drawings. (P W D BCSR 2014-15 P-46, I-7.32) 50 kg/sqm	kgs	0.00	179.00	Rupees one hundred and seventy nine only
180	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P W D BCSR. 2014-15,P-25, I-5.27)	sqm	0.00	1034.00	Rupees one thousand thirty four only
181	KSRB 5.4-4:Providing and constructing granite / trap / basalt SSM in superstructure with CM 1:4, edges of stones are chistle dressed in courses not less than 15 cms high, bond stones at 2 m apart in each course including cost of all materials, labour,curing complete as per Specifications No. KBS 5.1.13. (P W D BCSR 2014-15 P-23, I-5.13) KSRB 5-5 : Extra lift charges for size stone masonry above ground floor for every additional floor. As directed by the engineer in charge	cum	0.00	5500.00	Rupees five thousand five hundred only
182	Providing and layinglfixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification.As directed by the engineer in charge	Sqm	0.00	1149.00	Rupees one thousand one hundred and forty nine only
EI-1	Dewatering by mechanical means using 5 HP diesel pump including hire charges of machinery, fuel and crew charges etc., complete as per the direction of the Engineer- in charge of work	Hour	960.00	152.63	Rupees one hundred and fifty two and sixty three paisa only
EI-2	Excavation and removal of silt or silt mixed with sand in slushy condition from canal bed including disposing off the same in spoil bank or on the canal embankment in layers as directed etc., complete with initial lead up to 15 km and all lifts.	cum	25489.80	345.12	Rupees three hundred and forty five and towel paisa only
EI-3	De-silting tank bed/ Feeder channel in dry condition by excavating the deposited bed material and disposing off the same as directed including cost of all machinery, labour etc., complete with lead up to 1 km and all lifts.	cum	269700.00	69.09	Rupees sixty nine and nine paisa only

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Executive Engineer-2
Lakes, BBMP

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Item Code	Description	Unit	Approved Quantity	Approved Rate in Figures (in Rs.)	Rate in Words (in Rupees)
EI-4	Extra lead for dumping the excavated quantity of silt to dump yard upto 10 Km as per the directions of the engineer in charge of work	cum	40000.00	90.24	Rupees ninety and twenty four paisa only
EI-5	Extra lead for dumping the excavated quantity of silt to dump yard upto 15 Km as per the directions of the engineer in charge of work	cum	19000.00	138.60	Rupees one hundred and thirty eight and sixty paisa only
EI-6	Providing new embankment abutting to existing bund to strength the existing bund using soil available in adjacent area in layers of 200 to 250 mm and compacting each layer to density control of not less than 95 percent by vibrating plate compactor or pneumatic tamper including cost of all materials, machinery, labour, picking previous layer, spreading soil in layer, breaking clods, watering etc., complete with lead up to 50 m and all lifts.	cum	47500.00	126.49	Rupees one hundred and twenty six and forty nine paisa only
EI-7	Excavation for foundation in all kinds of soil including boulders up to 0.60 m dia (0.113 cum) for dam, barrage, spillway, intake structure and other appurtenant works and placing the excavated soil neatly in dump area or disposing off the same as directed etc., complete with initial lead up to 1 km and all lifts.	cum	658.87	79.72	Rupees seventy nine and seventy two pai only
EI-8	Providing and laying Pitching on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications A. Stone / Boulder	cum	2851.12	1407.22	Rupees one thousand four hundred an seven and twenty two paisa only
EI-9	Providing and constructing rock fill embankment with 300 mm downgraded stones and quarry spalls from approved source including cost of all materials, machinery, labour, spreading stones and spalls in layers, hand packing, wedging, finishing the surface to required slopes etc., complete with initial lead up to 20 km and all lifts	cum	450.00	695.99	Rupees six hundred and ninety five an ninety nine paisa only
EI-10	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1 :2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading,lead and lift, transportation etc., complete.	nos.	2756.00	334.62	Rupees three hundred and thirty four and sixty two paisa only
EI-11	Providing casing embankment using semi-pervious soil from approved borrow areas in layers of 250 to 300 mm before compaction including cost of all materials, machinery, labour, all other operations such as excavation, sorting out, transportation, spreading soil to specified thickness, breaking clods, sectioning, watering, compacting to density control of not less than 95 percent using power roller etc., complete with lead up to 35 km and all lifts. (Hosakote Gravel)	cum	465.00	486.70	Rupees four hundred and eighty six and seventy paisa only
EI-12	Providing and laying Hariyala or other approved quality turfing sods for the slopes of earthen embankments over 20 mm thick sand backing including cost of all materials, machinery, labour including preparing surface, spreading sand including tamping, watering for 15 days etc., complete with lead up to 15 km and all lifts.	Sqm	2400.00	132.33	Rupees one hundred and thirty two and thirty three paisa only

Contractor

Executive Engineer-2
Dikes, BBMP

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